# Tropical Animal Health and Production

Volume 22 (1990) Number 1

CONTENTS

**Helminthosis in goats in southern Tanzania: investigations on epidemiology and control**
R. J. Connor, A. P. Munyuku, E. Mackyao and R. W. Halliwell 1

**CVTM Courses** 6

**Pasture infestation with trichostrongyles of camels in the Butana area of eastern Sudan**
M. Magzoub, E. M. El Hassan and H. J. Bürger 7

**Productivity of crossbred cattle on smallholder farms in Southern Malawi**
K. Agyemang and L. P. Nkhonjera 9

**Book Review** 16

**Mpwapwa cattle: an Indo-Euro-African synthesis**
Ola Syrstad 17

**Egg production by desi (indigenous) hens in rural Bangladesh**
M. H. Sazzad, M. H. Ebadul and M. U. Asaduzzaman 22

**Parasitic adaptations in the transmission of *Theileria* by ticks—a review**
A. R. Walker 23

**Book Review** 33

**Foot-and-mouth disease in Cameroon**
N. F. Ekue, V. N. Tanya and C. Ndi 34

**Some accepted titles awaiting publication** 36

**Experimental infection of N'Dama cattle with trypanosomes using *Glossina palpalis gambiensis* caught in the wild**
R. H. Dwinger, P. Rawlings, P. Jeannin and A. S. Grieve 37

**Announcement** 43

**Australian frozen vaccines for the control of babesiosis and anaplasmosis in cattle—a review**
R. J. Dalgliesh, W. K. Jorgensen and A. J. de Vos 44

**Tick-borne diseases of cattle in Paraguay. I. Seroepidemiological studies on anaplasmosis and babesiosis**
R. C. Payne and O. Osorio 53

**Antibodies to *Toxoplasma gondii* from domestic animals in Malaysia**
C. Rajamanickam, T. S. Cheah and S. Paramasvaran 61

**Announcement** 62

**Treatment of bovine tropical theileriosis with buparvaquone**
N. N. Sharma and A. K. Mishra 63

**Simulated livestock dynamics—effects of pastoral offtake practices and drift on cattle wealth**
Richard Baptist 67

**Some accepted titles awaiting publication** 76

**Progress in the use of computerised recording systems in dairy cow monitoring and extension in Malaysia**
H. J. Pharo, M. J. Sopian, M. Kamaruddin, M. A. Abu Hassan, P. F. Cheah and T. W. Choo 77

**Streptothricosis in cattle on the coastal plains of Ghana: a comparison of the disease in animals reared under two different management systems**
E. B. M. Koney and A. N. Morrow 89

**Immunosuppression in caprine trypanosomiasis: effects of acute *Trypanosoma congolense* infection on antibody response to anthrax spore vaccine**
Duncan M. Mwangi, William K. Munyua and P. N. Nyaga 95

**Tick-borne diseases of cattle in Paraguay. II. Immunisation against anaplasmosis and babesiosis**
R. C. Payne, O. Osorio and A. Ybañez 101

**Book Review** 108

**Elimination of *Theileria buffeli* infections from cattle by concurrent treatment with primaquine phosphate and halofuginone lactate**
N. P. Stewart, A. J. de Vos and I. Shiels 109

**Elimination of *Theileria buffeli* infections from cattle by concurrent treatment with buparvaquone and primaquine phosphate**
N. P. Stewart, A. J. de Vos, N. McHardy and N. F. Standfast 116

**Book Review** 122

**Outbreaks of babesiosis in domestic livestock in the eastern region of the Sudan**
A. A. Mohamed and I. A. Yagoub 123

**Antibodies to enzootic bovine viral leukosis in Botswana**
E. Z. Mushi, G. Wibberley and D. C. Kupe 126

**Absence of *Ornithodoros moubata*, the vector of African swine fever virus, from the main pig producing area of Cameroon**
N. F. Ekue and P. J. Wilkinson 127

**Epidemiology of fasciolosis on a ranch in the Central Rift Valley, Kenya**
L. W. Wamae, J. O. Ongare, M. A. K. Ihiga and M. Mahaga 132

**CVTM Courses** 134

**Influence of gastro-intestinal nematodes on the productivity of dairy cattle in the wet highlands of Sri Lanka**
J. C. G. de Rond, R. de Jong, J. H. Boon and B. Brouwer 135

**Announcement** 143

**Effect of ivermectin on sarcoptic mange lesions of goats**
M. Zamri-Saad, A. Kamal Hizat and W. M. Kamil 144

VOL. 22 (1990) NO 3

**Bovine borreliosis: comparison of simple methods for detection of the spirochaete in the blood**
P. Matton and H. Van Melckebeke 147

**Isolation of five species of *Eimeria* from chickens in Bangladesh**
M. J. Karim and A. J. Trees 153

**Book Review** 159

**Pathogenicity of an isolate of infectious bursal disease virus in local Nigerian ducks**
J. O. A. Okoye, E. P. Iguomu and Chika Nwosuh 160

**Prevalence of bluetongue precipitating antibodies in domesticated animals in Yemen Arab Republic**
M. J. Stanley 163

**Immune response of chicks to oral vaccination with combined extra- and intracellular fowl pox viruses**
S. S. Saini, N. K. Maiti and S. N. Sharma 165

**Book Review** 169

**Pathogenicity of recent bluetongue virus isolates for Sudanese cattle**
A. O. Fayza, M. H. Tag El Din, I. Hajer and E. M. E. Abu El Zein 170

**Serological survey for leptospiral antibodies in goats in St Elizabeth Parish, Jamaica, 1985–1986**
P. M. Johnachan, G. S. Smith, G. Grant and M. E. Hugh-Jones 171

**Multiple superovulations in N'Dama heifers**
T. Jordt and E. Lorenzini 178

**Some Accepted Titles Awaiting Publication** 184

**Persistence of the carrier status in haemorrhagic septicaemia (*Pasteurella multocida* serotype 6:B infection) in buffaloes**
M. C. L. de Alwis, Thula G. Wijewardana, Anoma I. U. Gomis and A. A. Vipulasiri 185

**Cattle poisoning and mortality associated with tortoise clostridial toxicity in the Beletu District of Ethiopia**
Bisrat Mengiste, Tafesse Mesfin, Berehe G. Egziabher and Clara Luz Duarte 195

**Announcement** 196

**Mineral deficiency in ruminants in subsaharan Africa: a review**
T. W. Schillhorn van Veen and I. K. Loeffler 197

**Use of ivermectin to control sarcoptic mange in goats in Indonesia**
J. Manurung, P. Stevenson, Beriajaya and M. R. Knox 206

**Announcement** 213

**CTVM Courses** 213

VOL. 22 (1990) NO 4

**Announcement** 216

**CTVM Courses** 216

**Copper deficiency and posterior paralysis (Shalal) in small ruminants in the Sultanate of Oman**
M. Ivan, M. Hidiroglou, S. I. Al-Ismaily, H. S. Al-Sumry and R. B. Harper 217

**Book Review** 225

**Epidemiological studies of sarcoptic mange in Tanzanian pig herds**
D. M. Kambarage, P. Msolla and J. Falmer-Hansen 226

**Gastro-intestinal nematode infections in a goat breeding farm in north-western Sri Lanka**
D. Van Aken, J. De Bont, J. Vercruysse and P. Dorny 231

**Announcement** 238

**Reproductive performance of Nili-Ravi buffaloes after a single injection of GnRH early *post partum***
S. Nasir Hussain Shah, A. H. Willemse and D. F. M. Van de Wiel 239

**Comparison of two cattle production systems in Pabna district Bangladesh**
H. M. J. Udo, C. Hermans and F. Dawood 247

**Some Accepted Titles Awaiting Publication** 259

**Isolation of *Mycoplasma* biotype F38 from sheep in Kenya**
J. K. Litamoi, S. W. Wanyangu and P. K. Simam 260

**Book Review** 262

**Protection conferred by vaccination with Blacksburg and Komarov strains of Newcastle disease virus against Newcastle disease in Bangladesh**
MD Saifuddin, T. I. M. F. R. Chowdhury, A. J. Sarker and M. M. Amin 263

**Rabies in Yemen Arab Republic, 1982 to 1986**
M. J. Stanley 273

**Antigenic characterisation of virus isolates from vaccinated dogs dying of rabies**
H. O. Aghomo and C. E. Rupprecht 275

**Subject Index** 281

**Author Index** 282